

Hybrid System

Your vehicle is a hybrid vehicle. It has characteristics different from conventional vehicles. Be sure you are closely familiar with the characteristics of your vehicle, and operate with care.

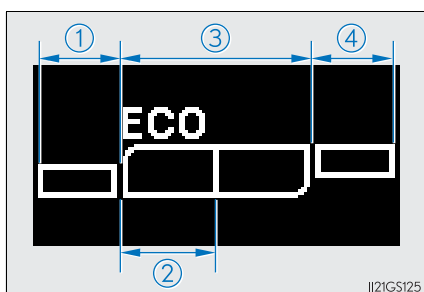
The hybrid system combines the use of a gasoline engine and an electric motor (traction motor) according to driving conditions, improving fuel efficiency and reducing exhaust emissions.

For details, refer to the "Owner's Manual".

Hybrid System Indicator



- ① Charge area
Shows regenerative charging.
- ② Hybrid Eco area
Shows that gasoline engine power is not being used very often. The gasoline engine will automatically stop and restart under various conditions.
- ③ Eco area
Shows that the vehicle is being driven in an Eco-friendly manner.
- ④ Power area
Shows that an Eco-friendly driving range is being exceeded (during full power driving etc.)



- Hybrid System Indicator is displayed when the driving mode is other than the sport mode.
- By keeping the indicator needle within Eco area, more Eco-friendly driving can be achieved.
- Charge area indicates regeneration^{*} status. Regenerated energy will be used to charge the battery.

^{*}: When used in this manual, "regeneration" refers to the conversion of energy created by the movement of the vehicle into electrical energy.

■ Charging the hybrid battery (traction battery)

If the shift lever is in N, the hybrid battery (traction battery) will not be charged. Always put the shift lever in P when the vehicle is stopped. When driving in heavy traffic, operate the vehicle with the shift lever in D or S to avoid discharging the battery.

■ Regenerative braking

In the following situations, kinetic energy is converted to electric energy and deceleration force can be obtained in conjunction with the recharging of the hybrid battery (traction battery).

- The accelerator pedal is released while driving with the shift position in D or S.
- The brake pedal is depressed while driving with the shift position in D or S.

■ Sounds and vibrations specific to a hybrid vehicle

There may be no engine sounds or vibration even though the vehicle is able to move. For safety, apply the parking brake and make sure to shift the shift position to P when parked. The following sounds or vibrations may occur when the hybrid system is operating and are not a malfunction:

- Motor sounds may be heard from the engine compartment.
- Sounds may be heard from the hybrid battery (traction battery) behind the rear seats when the hybrid system starts or stops.
- Sounds from the hybrid system may be heard when the trunk lid is open.
- Sounds may be heard from the hybrid transmission when the hybrid system starts or stops.
- Engine sounds may be heard when accelerating sharply.
- Sounds may be heard due to regenerative braking when the brake pedal is depressed.
- Vibration may be felt when the gasoline engine starts or stops.
- Cooling fan sounds may be heard from the air intake vents on the both sides of the rear seatback.

■ Running out of fuel

When the vehicle has run out of fuel and the hybrid system cannot be started, refuel the vehicle with at least enough gasoline to make the low fuel level warning light go off. If there is only a small amount of fuel, the hybrid system may not be able to start. (The minimum amount of fuel to add to make the low fuel level warning light go out is about 2.6 gal. [10.0 L, 2.2 Imp.gal.], when the vehicle is on a level surface. This value may vary when the vehicle is on a slope.)

Energy Monitor/Consumption Screen

You can view the status of your hybrid system on the multi-information display and the Remote Touch screen.

Energy monitor

● How to display on the Remote Touch screen

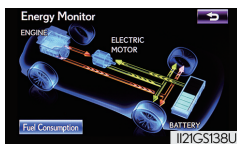
▶ Vehicles without a navigation system

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Info" on the "Menu" screen.
If the "Trip Information" or "Past Record" screen is displayed, select "Energy".

▶ Vehicles with a navigation system

- 1 Press the "MENU" button on the Remote Touch.
- 2 Select "Info/Apps" on the "Menu" screen.
- 3 Select "Fuel Consumption" on the "Information" screen.
If the "Trip Information" or "Past Record" screen is displayed, select "Energy".

The "Energy Monitor" screen can be displayed on the "Side Display". For details, refer to the "Navigation System Owner's Manual".



The flow of energy is displayed on the Remote Touch screen.

Amber: gasoline energy

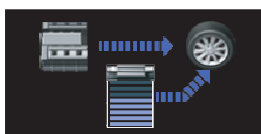
Yellow: electrical energy

Light blue: energy recovery

A light blue arrow appears when regenerative braking occurs.

● How to display on the multi-information display

Press the "DISP" button on the steering wheel several times to select the energy monitor display.



The flow of energy is indicated by the movement of the arrows on the multi-information display.

The displayed energy flow, battery level, etc. will change in response to the current driving conditions.

■ Consumption

Vehicles with a navigation system: The consumption screen can be displayed on the "Side Display". For details, refer to the "Navigation System Owner's Manual".

► Vehicles without a navigation system

1 Press the "MENU" button on the Remote Touch, then select "Info" on the "Menu" screen.

2 If the "Energy Monitor" screen is displayed, select "Fuel Consumption".

► Vehicles with a navigation system

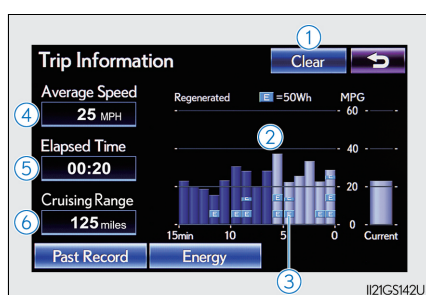
1 Press the "MENU" button on the Remote Touch, then select "Info/Apps" on the "Menu" screen.

2 Select "Fuel Consumption" on the "Information" screen.

3 If the "Energy Monitor" screen is displayed, select "Fuel Consumption".

● Trip information

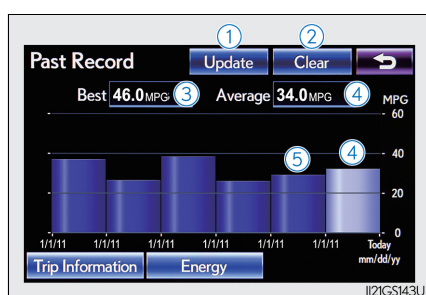
If the "Past Record" screen is displayed, select "Trip Information".



- ① Resetting the consumption data
- ② Fuel consumption in the past 15 minutes
- ③ Regenerated energy in the past 15 minutes
- ④ Displays the average vehicle speed since the hybrid system was started.
- ⑤ Displays the elapsed time since the hybrid system was started.
- ⑥ Cruising range

● Past record

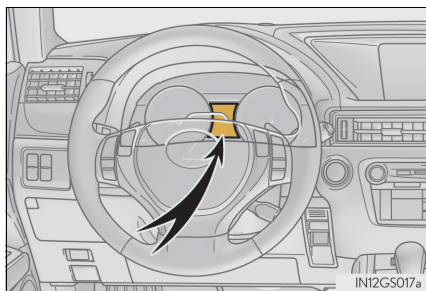
If the "Trip Information" screen is displayed, select "Past Record".



- ① Updating the average fuel consumption data
- ② Resetting the past record data
- ③ Best recorded fuel consumption
- ④ Average fuel consumption
- ⑤ Previous fuel consumption record

■ Hybrid warning message

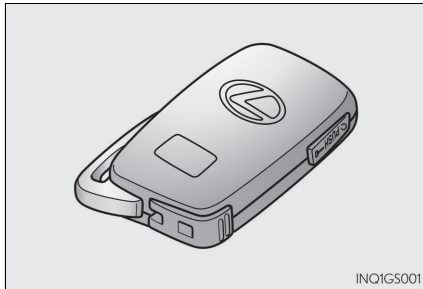
A message is automatically displayed when a malfunction occurs in the hybrid system or an improper operation is attempted.



If a warning message is shown on the multi-information display, read the message and follow the instructions.

Keys

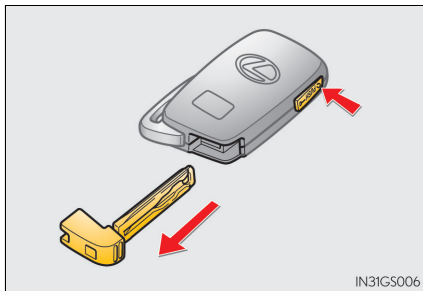
■ Electronic key



Smart access system with push-button start
(→P.15)

Wireless remote control (→P.15)

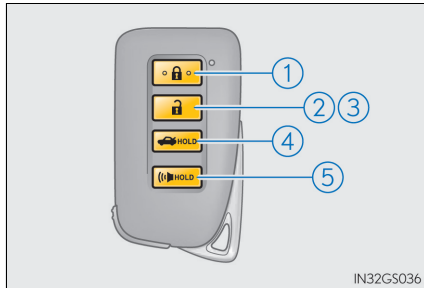
■ Mechanical key



To take out the mechanical key, push the release button and take the key out.

Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key.

■ Wireless remote control



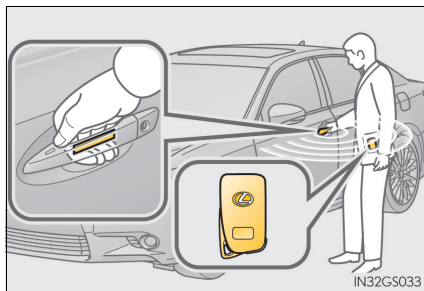
- ① Locks all the doors
- ② Unlocks all the doors
Pressing the button unlocks the driver's door. Pressing the button again within 5 seconds unlocks the other doors.
- ③ Opens the windows and moon roof (press and hold)*
- ④ Opens the trunk (press and hold)
If the vehicle is equipped with a power trunk opener and closer, the trunk lid automatically opens fully.
- ⑤ Sounds the alarm (press and hold)

*: This setting must be customized at your Lexus dealer.

■ Smart Access System with Push-button Start

The following operations can be performed simply by carrying the electronic key on your person, for example in your pocket. (The driver should always carry the electronic key.)
For details on starting the hybrid system, see page 20.

■ Entering the vehicle

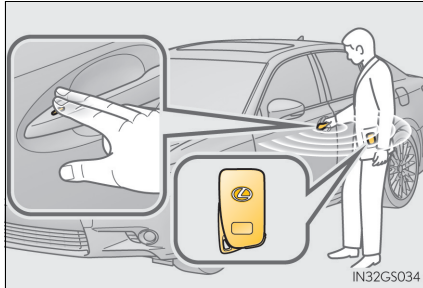


Grip the driver's door handle to unlock the door. Grip the passenger's door handle to unlock all the doors.

Make sure to touch the sensor on the back of the handle.

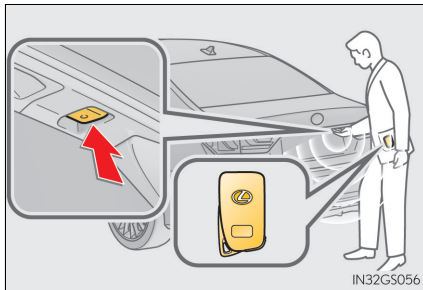
The doors cannot be unlocked for 3 seconds after the doors are locked.

■ Exiting the vehicle



Touch the lock sensor (the indentation on the upper part of the door handle) to lock all the doors.

■ Opening the trunk



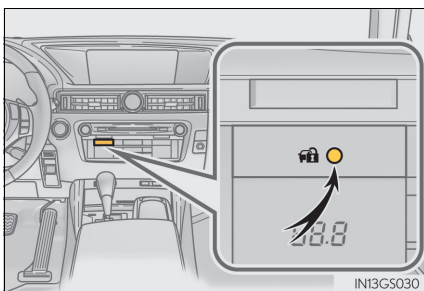
Press the button.

If the vehicle is equipped with power trunk opener and closer, the trunk lid automatically opens fully.

For details on what to do when the electronic key does not operate properly, see page 96.

Theft Deterrent System

■ Immobilizer system



The indicator light flashes after the power switch has been turned off to indicate that the system is operating.

The indicator light stops flashing after the power switch has been turned to ACCESSORY or ON mode to indicate that the system has been canceled.

■ Alarm

The alarm uses light and sound to give an alert when an intrusion is detected.

To set the alarm:

Close the doors, trunk and hood, and lock all the doors. The system will be set automatically after 30 seconds.

The indicator light changes from being on to flashing when the system is set.

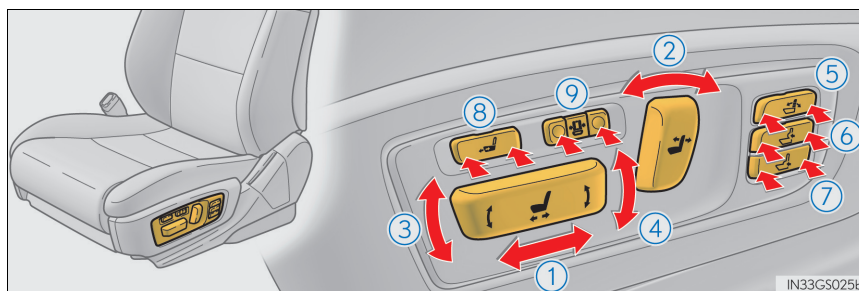
To deactivate or stop the alarm:

- Unlock the doors or open the trunk.
- Turn the power switch to ACCESSORY or ON mode, or start the hybrid system. (The alarm will be deactivated or stopped after a few seconds.)

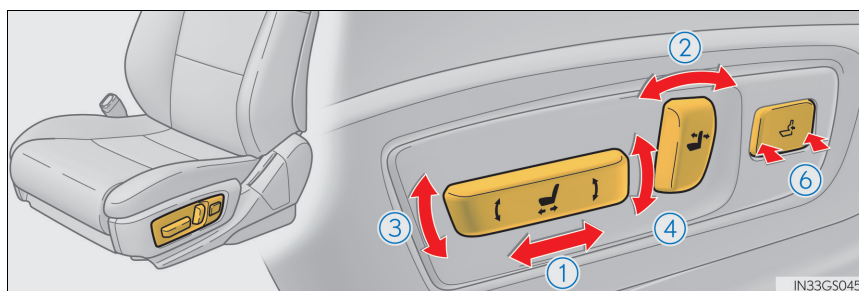
Front Seats

■ Adjustment procedure

Type A



Type B



- | | |
|--|---|
| ① Seat position adjustment switch | ⑥ Lumbar support adjustment switch |
| ② Seatback angle adjustment switch | ⑦ Pelvic support adjustment switch (if equipped) |
| ③ Seat cushion (front) angle adjustment switch | ⑧ Seat cushion length adjustment switch (if equipped) |
| ④ Vertical height adjustment switch | ⑨ Seatback side support adjustment switch (if equipped) |
| ⑤ Seatback upper angle adjustment switch (if equipped) | |

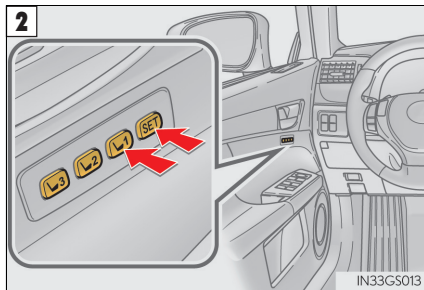
Driving Position Memory

Your preferred driving position (the position of the driver's seat, steering wheel and outside rear view mirrors) can be memorized and recalled by pressing a button.

The same buttons are found on the front passenger's side, allowing the position of the front passenger's seat to be memorized (if equipped).

■ Entering a position to memory

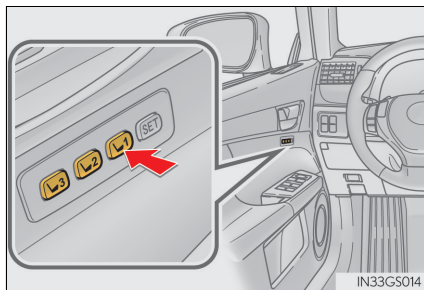
- 1 Adjust the driver's seat, steering wheel, and outside rear view mirrors to the desired positions. (When memorizing the front passenger's seat, adjust the front passenger's seat to the desired positions.)



While pressing the "SET" button, or within 3 seconds after the "SET" button is pressed, press button "1", "2" or "3" until the signal beeps.

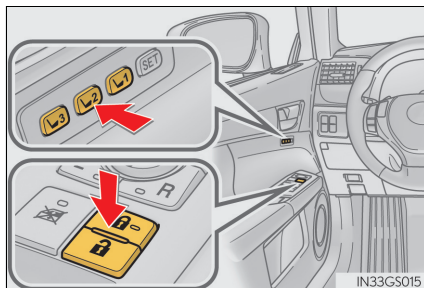
If the selected button has already been pre-set, the previously recorded position will be overwritten.

■ Recalling the memorized position



Press button "1", "2" or "3" to recall the desired position.

■ Linking driving position memory with door unlock operation (driver's side only)



While pressing the button to recall the position, press the driver's door lock switch (either lock or unlock) until the signal beeps.

The driving position is recalled when the driver's door is unlocked using the entry function or wireless remote control and the driver's door is opened.